

## AGENDA BILL APPROVAL FORM

<b>Agenda Subject:</b> Resolution No. 4506 – Endorse the efforts of Valley Cities Association to apply for Federal Grant to Fund Broadband Opportunities		<b>Date:</b> June 22, 2009
<b>Department:</b> Information Services	<b>Attachments:</b> Resolution No. 4506; Valley Cities' Regional Broadband Network; Valley Cities Fiber Optic Connection Project Budget; Proposed Fiber Backbone	<b>Budget Impact:</b>
<b>Administrative Recommendation:</b>  City Council adopt Resolution No. 4506		
<b>Background Summary:</b>  <p>The Valley Cities Association was formed in August, 2005 for the purpose of collaborating on issues of common interest. Valley Cities Association received funding and completed a study that resulted in a recommendation to focus on regional broadband development efforts on public safety, law enforcement and local government services by developing a regional fiber optic ring to interconnect all participating cities and agencies that will result in enhancing interagency communication, emergency response and municipal services.</p> <p>The resolution endorses the collaborative effort of the Valley Cities Association to enhance regional broadband infrastructure and authorizes the Mayor to sign on behalf of the members of the Valley Cities Association and the City of Federal Way the grant application to be submitted to the National Telecommunications and Information Administration, U.S. Department of Commerce for grant funding offered through the Broadband Technology Opportunities Program.</p> <p style="margin-top: 20px;">A3.3.37</p> <p style="margin-top: 10px;">T0803 -1</p>		
<b>Reviewed by Council &amp; Committees:</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Arts Commission  <input type="checkbox"/> Airport  <input type="checkbox"/> Hearing Examiner  <input type="checkbox"/> Human Services  <input type="checkbox"/> Park Board  <input type="checkbox"/> Planning Comm.         </div> <div style="width: 45%;"> <b>COUNCIL COMMITTEES:</b>  <input checked="" type="checkbox"/> Finance  <input checked="" type="checkbox"/> Municipal Serv.  <input type="checkbox"/> Planning &amp; CD  <input type="checkbox"/> Public Works  <input type="checkbox"/> Other _____         </div> </div>		<b>Reviewed by Departments &amp; Divisions:</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Building  <input type="checkbox"/> Cemetery  <input type="checkbox"/> Finance  <input type="checkbox"/> Fire  <input type="checkbox"/> Legal  <input type="checkbox"/> Public Works  <input checked="" type="checkbox"/> Information Services         </div> <div style="width: 45%;"> <input type="checkbox"/> M&amp;O  <input type="checkbox"/> Mayor  <input type="checkbox"/> Parks  <input type="checkbox"/> Planning  <input type="checkbox"/> Police  <input type="checkbox"/> Human Resources         </div> </div>
<b>Action:</b> Committee Approval: <input type="checkbox"/> Yes <input type="checkbox"/> No Council Approval: <input type="checkbox"/> Yes <input type="checkbox"/> No Referred to _____ Until ____/____/____ Tabled _____ Until ____/____/____ <div style="text-align: right; margin-top: 5px;">Call for Public Hearing ____/____/____</div>		
<b>Councilmember:</b> Backus		<b>Staff:</b> Rempher
<b>Meeting Date:</b> August 3, 2009		<b>Item Number:</b> VIII.B.2

**RESOLUTION NO. 4506**

A RESOLUTION OF THE CITY COUNCIL OF THE  
CITY OF AUBURN, WASHINGTON, ENDORSING  
THE EFFORTS OF THE VALLEY CITIES  
ASSOCIATION AND AUTHORIZING THE MAYOR  
TO APPLY FOR A FEDERAL GRANT TO FUND  
BROADBAND OPPORTUNITIES OFFERED  
THROUGH THE U.S. DEPARTMENT OF  
COMMERCE

WHEREAS, the City of Auburn is a member of the Valley Cities Association which was formed in August, 2005, for the purpose of collaborating on issues of common interest; and

WHEREAS, the members of the Valley Cities Association received funding and completed a study that resulted in a recommendation to focus on regional broadband development efforts on public safety, law enforcement and local governmental services by developing a regional fiber optic ring to interconnect all participating cities and agencies that will result in enhancing interagency communication, emergency response and municipal services; and

WHEREAS, the members of the Valley Cities Association and the City of Federal Way wish to work cooperatively to implement the recommendation of the study; and

WHEREAS, the goals of the members of the Valley Cities Association and the City of Federal Way to enhance broadband infrastructure and services are to:

- 1) improve access to and use of broadband for public safety agencies;
- 2) efficiently deliver local government services;
- 3) stimulate broadband, local economic development and job creation;
- 4) enhance service to public health care

and education institutions; 5) effectively manage public property and right-of-way; and 6) ensure equity, awareness and improved access to the public; and

WHEREAS, as part of the technology improvements, 911 communication to the public safety community will be changed from radio-based to IP-base, thus requiring wired (fiber) communication from 911 communication centers to the participating public entities and wireless communications from the agencies to the mobile computers in vehicles; and

WHEREAS, the members of the Valley Cities Association have executed a Fiber Optic Project Agreement to develop the scope of a comprehensive fiber optic infrastructure capital improvement initiative, and Budget Estimates for constructing these infrastructure improvements, attached hereto as Exhibit "A" and Exhibit "B," respectively, and incorporated by reference; and

WHEREAS, new grant funding opportunities are available through the federal American Recovery and Reinvestment Act of 2009 to fund broadband technology opportunities; and

WHEREAS, the members of the Valley Cities Association and the City of Federal Way desire to pursue federal grant funding through the American Recovery Act for the first phase of the broadband infrastructure project as identified in Exhibit "A" in the amount of \$4.5 million; and

WHEREAS, the members of the Valley Cities Association and the City of Federal Way desire to have the City of Auburn take the lead in applying for federal grant funding on behalf of the members of the Valley Cities Association and the City of Federal Way; and

WHEREAS, the City of Auburn intends to contribute its proportionate share of the local match by utilizing staff time and other available City resources; and

WHEREAS, it is the intent of the City Council that upon awarding of the grant, it will amend the City's Annual Budget as necessary to authorize the use of available City resources as a local match for the grant funding;

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF AUBURN, WASHINGTON, HEREBY RESOLVES as follows:

**Section 1. Purpose.** The City Council endorses the collaborative effort of the Valley Cities Association to enhance regional broadband infrastructure and authorizes the Mayor to sign on behalf of the members of the Valley Cities Association and the City of Federal Way the grant application to be submitted to the National Telecommunications and Information Administration, U.S. Department of Commerce for grant funding offered through the Broadband Technology Opportunities Program .

**Section 2. Implementation.** The Mayor is hereby authorized to implement such administrative procedures as may be necessary to carry out the directives of this Resolution, including negotiating agreements for City Council approval with the Valley Cities Association and the City of Federal Way for implementation of the fiber optic infrastructure plan set forth in Exhibits "A" and "B".

**Section 3. Effective Date.** That this Resolution shall take effect and be in full force upon passage and signatures hereon.

Dated and Signed this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

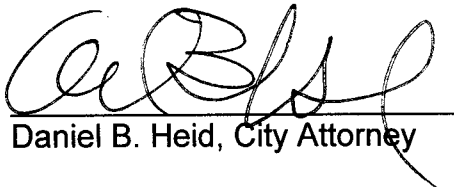
CITY OF AUBURN

\_\_\_\_\_  
PETER B. LEWIS  
MAYOR

ATTEST:

\_\_\_\_\_  
Danielle E. Daskam, City Clerk

APPROVED AS TO FORM:

  
\_\_\_\_\_  
Daniel B. Heid, City Attorney

**The Valley Cities' Regional Broadband Network –  
Improving Connectivity and Inter-Operability for a  
Regional Public Safety & Emergency Communications System**

**Project Name:** Valley Cities' Regional Broadband Network

**Project Request:** The partners in the Valley Cities' Regional Broadband Network are requesting \$4.3 million in federal grant funding for a Phase I broadband capital infrastructure build-out and enhancement of the public safety network, and excess dark fiber to enable Phase II inter-connections and inter-operability upgrades for other public agencies, schools, hospitals, libraries, and senior centers to link to this network. A grant application is being prepared and will be submitted as part of the Broadband Technology Opportunity Program (BTOP) enacted via the American Recovery and Reinvestment Act of 2009 (ARRA).

**Project Background:** The Valley Cities Regional Broadband Network is designed to dramatically improve the connectivity and inter-operability of a public safety and emergency communications system serving a population of over 400,000 people. This enhanced broadband infrastructure will serve and benefit nine cities within Pierce and King Counties. This project will provide future inter-connections between three regional Public Safety Access Points (PSAPs): the Valley Communications Center; NORCOM (the North East King County Regional Public Safety Communication Agency); and LESA (the Law Enforcement Support Agency -- Pierce County's emergency 9-1-1 center). "Puget Sound Access," the regional public access cable station, will be connected as a part of the project to ensure public access for emergency notifications.

This fiber network build-out also helps realize and connect with a larger regional vision put forth by a "Fiber Consortium" of existing partners including the University of Washington; cities of Bellevue, Renton and Kirkland; Evergreen Hospital; Renton, Bellevue, and Lake Washington school districts; Bellevue Community College; and the City of Seattle.

The Valley Cities project is a classic example of improving and expanding "access to, and use of, broadband service by public safety agencies," as envisioned in the broadband funding provisions of the ARRA. It also will enable upgrades of, and enhanced connections with, broadband technology that simply would not be possible but for the grant funding under the BTOP.

Making the system more connected and inter-operable will also help the Valley Cities significantly enhance technology services to public agencies and improve access to those agencies that are currently under-served or unserved. The project is being submitted under "Middle Mile" provisions outlined in the Notice of Funding Availability (NOFA) for BTOP funding. This type of public safety project is envisioned as an asset by the State of Washington's "Governor's Broadband Advisory Council," which, in its final report to the Governor, notes, "applications that effectively leverage...public safety should be actively encouraged and supported" (Pg. 4) and, "In particular, the state should support those broadband infrastructure proposals that 'improve access to, and use of, broadband service by public safety agencies.'" (Pg. 12).

The Valley Cities segment of the Fiber Consortium project is a natural extension of years of planning, assessments, studies and analyses of the public safety-based broadband needs in the South King

County/Northeast Pierce County region. After securing \$98,000 of federal grant funding, agencies involved in the project have developed a strategic plan for fiber network build-out, conducted a needs assessment of broadband technology, executed a Fiber Optic Project Agreement, and have worked on a staff-to-staff basis for the past three years to accomplish these regional technology improvements.

Phase I of the two-phase Valley Cities' Regional Broadband Network involves: 1) construction of a fully built-out fiber optic backbone; 2) dedicated connections to Valley Communications Center; 3) connections to a new regional jail facility breaking ground later this year (known as "SCORE" – South County Correctional Entity); and 4) enhanced inter-operability between and among the participating cities of Auburn, Algona, Federal Way, Kent, Pacific, Puyallup, Renton, Sumner, and Tukwila. Phase I includes a wireless technology upgrade from radio-based communications to IP-based communications that will require fiber that links the Valley Communications 911 Center to the cities, police agencies, fire districts, and others participating in the build-out of the system.

Along with the Phase I build-out of the public safety network, Phase II of the broadband network project anticipates opportunities for regional connections to other public agencies, including additional cities, hospitals, school districts, and the University of Washington. Valley Medical Center in Renton, the Auburn Regional Medical Center, St. Francis Hospital in Federal Way, Tukwila Diagnostics Imaging in Tukwila, and the University of Washington medical clinics could also be inter-woven into the broadband system, as well as the University of Washington's main Seattle campus and Tacoma branch campus, and the Auburn, Federal Way, Fife, Kent, Puyallup, Renton, Sumner, and Tukwila school districts (K-12).

**Project Benefits:** It is the objective of the Valley Cities that the regional broadband infrastructure capital improvement initiative will provide the following benefits:

- Dramatically enhanced broadband technology to serve the region
- A higher speed network to save seconds, if not minutes, for emergency response at crime scenes, on medical calls, for mutual aid, and for responses to natural disasters. The improvements to the system are intended to save lives
- Better connectivity and inter-operability of an existing public safety and emergency communications system
- Future opportunities to connect the system to schools, hospitals, libraries, community centers and senior centers
- Direct fiber connections to and between agencies, to mobile data terminals operated by police and fire agencies, and to a regional 911 center
- Inter-operability between an emerging jail facility and local law enforcement agencies that will need to communicate with the jail 24/7
- Enhanced information-sharing among numerous local agencies
- Upgrades in emergency communications, intelligence gathering between agencies, crime prevention, and crime analysis
- Near-term, high-wage construction jobs to construct nearly a dozen new and inter-connected fiber segments of the regional network.

**Project Partners and Potential Project Partners:** There are nearly three-dozen existing and potential project partners comprised of the following agencies:

- City of Auburn/Auburn Police Department
- City of Algona/Algona Police Department

- City of Federal Way/Federal Way Police Department
- City of Fife/Fife Police Department
- City of Kent/Kent Police Department/Kent Fire Department
- City of Pacific/Pacific Police Department
- City of Puyallup/Puyallup Police Department
- City of Renton/Renton Police Department/Renton Fire Department
- City of Sumner/Sumner Police Department
- City of Tukwila/Tukwila Police Department/Tukwila Fire Department
- Valley Communications Center
- Law Enforcement Support Agency ("LESA")
- North East King County Regional Public Safety Communication Agency ("NORCOM")
- South Correctional Entity (SCORE) – Regional Jail
- Kent Municipal Jail
- Valley Regional Fire Authority
- South King Fire & Rescue
- Central Pierce Fire & Rescue
- East Pierce Fire & Rescue
- Fire District 20
- Fire District 40
- Fire District 37
- Valley Medical Center
- Auburn Regional Medical Center
- St. Francis Hospital
- Tukwila Diagnostic Imaging
- University of Washington/UW Medical Center/UW Clinics
- Auburn, Federal Way, Fife, Kent, Puyallup, Renton, Sumner, and Tukwila School Districts

**Funding Partners:** The funding partners are comprised of eight members of the Valley Cities Association (Auburn, Renton, Kent, Tukwila, Sumner, Algona, Pacific, Puyallup), and the City of Federal Way.

**Project Budget:** The broadband infrastructure capital improvement budget of \$4.3 million will include funding for the expansion, inter-connections, and upgrades of more than a dozen fiber network segments (estimated costs per segment, materials, etc., have been calculated). The funding source shall be comprised of federal BTOP grant funds (up to 80 percent of the revenue source) and partnering agencies (at least 20 percent of the revenue source in cash and in-kind services).

**About the Valley Cities:** The participating members of the Valley Cities Association are located within the Green River Valley and south county portion of King County, Washington, and the Northeast corner of Pierce County, Washington. These two counties are the most populous counties in the State of Washington and are comprised of a combined population of about 2.75 million people. The Valley Cities partnering in the regional broadband network project have a combined population of over 400,000 residents.

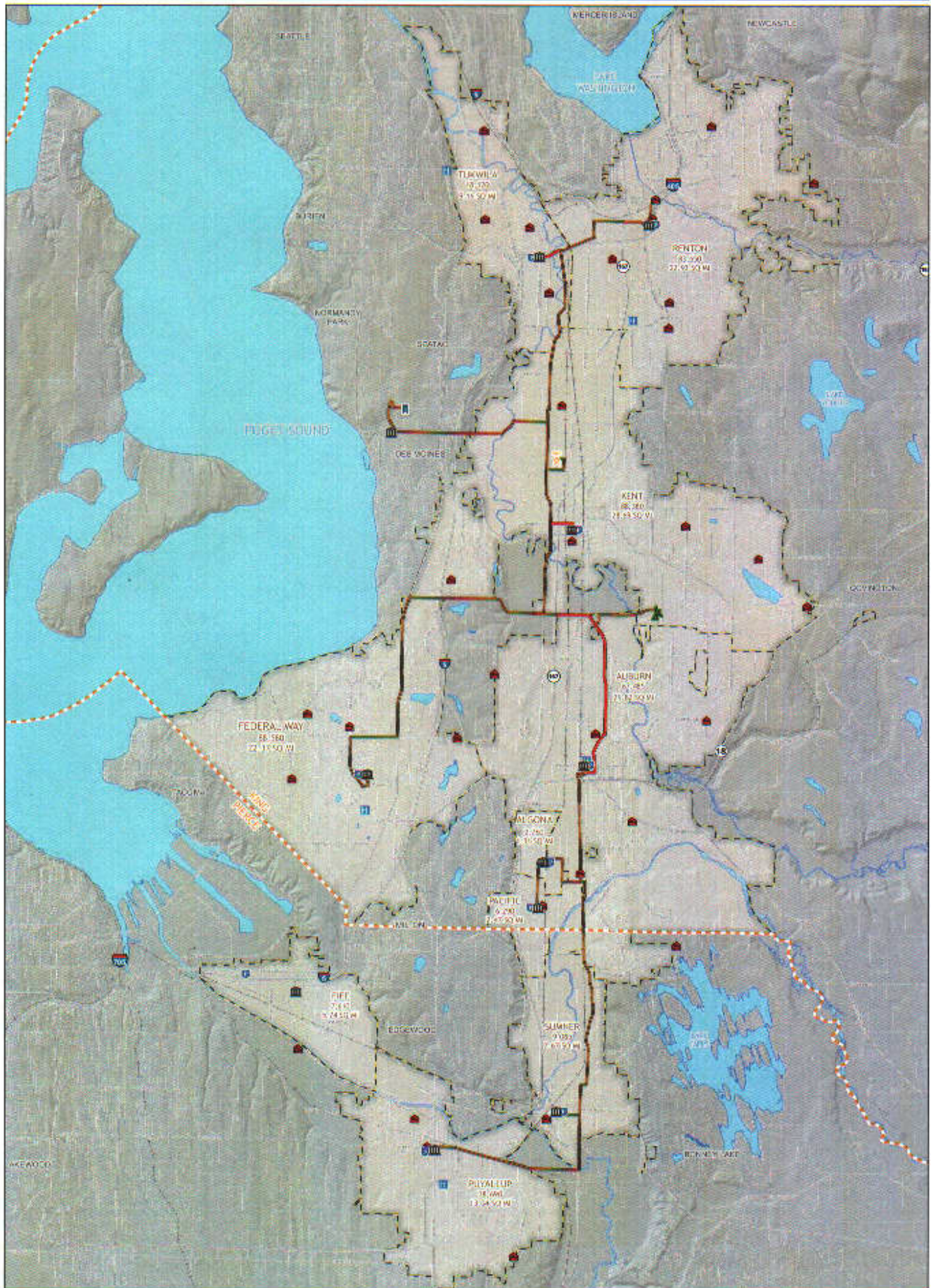
The Valley Cities serve as a major employment and industrial center for the Central Puget Sound Region and the State of Washington, employing close to 100,000 people and hosting the second-largest



warehouse distribution complex on the West Coast. The warehouse distribution facilities in the Valley span 40 million square feet, generate \$2.8 billion in combined payrolls, represent a gross domestic product of over \$20 billion, and accommodate fully one-third of all the truck traffic transporting freight to and from two of the nation's busiest container-cargo ports: the Ports of Seattle and Tacoma.

The Valley's role as an economic engine for the region and the State of Washington, the growing economic base in Federal Way, and the growing populations in cities such as Federal Way, Kent, Renton, and Auburn, mean that the Valley is home to almost a half-million residents as well as a significant regional employment base. The Valley Cities also are home to a large network of human and social service providers who assist the most vulnerable residents in our society and those most in need. All of this places additional pressures on the public safety and emergency communications network and underscores the vital importance of the Valley Cities Regional Broadband Network project.

# Valley Cities Broadband Proposed Fiber Backbone



- City Halls
- Hospitals
- SCORE Facility
- Puget Sound Access
- Fire Stations
- Existing Route
- Valley Communications Center
- Police Stations
- Proposed Route

Population of Participating Cities: 410,700  
Area of Participating Cities: 142.62 sq mi

